

## CE-GA Series

Low Impedance

5.4mm Height



- 105°C, 1000hrs.
- Solvent proof (within 2 minutes)

### Specifications

Items		Specifications						
Rated voltage (V)		6.3	10	16	25	35	50	63
Category temperature range (°C)		-55 to +105						
Capacitance tolerance (%)		±20 (120Hz/20°C)						
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)		0.24	0.20	0.16	0.14	0.12	0.12	0.12
Leakage current (L.C.) (μA/after 2min.) (MAX.)		The greater value of either 0.01CV or 3						
Impedance (120Hz) ratio at low temperature (MAX.)	Z <sub>-40°C</sub> /Z <sub>20°C</sub>	3	2	2	2	2	2	2
	Z <sub>-55°C</sub> /Z <sub>20°C</sub>	5	4	4	3	3	3	3
Endurance 85°C 1000hrs. rated voltage applied (With the rated ripple current)	ΔC/C	Within ±25% of the initial value						
	tanδ	≤ Twice the initial specified value						
	L.C.	≤ The initial specified value						

### Marking, Dimensions

Lot No.

Rated Capacitance

Series Symbol → G

Rated Voltage (6.3V → 6)

(Unit : mm)

D <sup>+0.5MAX</sup>	L <sup>+0.1 -0.2</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P <sup>+0.2</sup>
4	5.4	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4	6.6	6.6	7.3	0.5 to 0.8	2.2

### Size List, Impedance, Rated Ripple Current

μF	V		6.3		10		16		25		35		50		63					
	0.47											4	6.0	51	4	8.0	30	4	10	15
1.0											4	3.1	68	4	7.4	37	4	8.0	20	
2.2											4	2.9	68	4	6.6	45	4	8.0	24	
3.3											4	2.7	68	4	5.4	52	5	3.5	40	
4.7									4	2.3	68	4	2.3	68	5	2.9	75	5	3.5	40
10						4	2.3	68	5	1.1	105	5	1.1	105	6.3	1.3	120	6.3	1.6	65
22	4	2.3	68	5	1.1	105	5	1.1	105	6.3	0.6	155	6.3	0.6	155					
33	5	1.1	105	5	1.1	105	6.3	0.6	155	6.3	0.6	155								
47	5	1.1	105	6.3	0.6	155	6.3	0.6	155	6.3	0.6	155								
100	6.3	0.6	155	6.3	0.6	155	6.3	0.6	155											

Case size ; φD (mm)

Impedance (Ω) MAX. at 100kHz, 20°C

Rated ripple current mAr.m.s. (100kHz, 105°C)

Model No. 10 CE 33 GA

- 10: Rated voltage
- CE: Series code
- 33: Rated capacitance symbol
- GA: Type code

Surface Mount Type  
CE-GA